



## BUGLE



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RIPPLE ROCK GEM & MINERAL CLUB  
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Regular monthly meeting  
2<sup>nd</sup> Friday each month at 7:30 pm  
(Except June, July & August)  
Craft Room, Campbell River Community Hall  
401-11th Ave  
Campbell River, BC



# RIPPLE ROCK GEM & MINERAL CLUB

## RIPPLE ROCK EXECUTIVE 2016

President	Linda Henderson	250-286-1718
Vice-President	Janice Boyes	250-337-8461
Past President	Kathy Young	250-285-3343
Secretary	Steve Cooley	250-287-4388
Treasurer	Dennis Cambrey	250-337-8949
Wagonmaster	Shane Mawhinney	250-285-3465
Assistant Wagonmaster(s)	<i>vacant</i>	
Show Chair	Pat Doyle	250-285-2377
Shop Coordinator	Beba Adams	250-926-0044
Shop Maintenance	<i>vacant</i>	
Entertainment	<i>vacant</i>	250-285-2377
Publicity	Diane Cooper	250-830-0889
Bugle Editor	Gordon Burkholder	250-923-1740
<b>Non-Executive Positions</b>		
Webpage Manager	Janet Burkholder	info@ripplerockgemand mineralclub.com
Showcase	Beba Adams	250-926-0044
Slab Draw/Collection	Beba Adams	250-926-0044
Coffee Break	Jack and Jan Boyes	250-337-8461
Basic Lapidary Instructors	Steve Cooley Gordon Burkholder	250-287-4388 250-923-1740

### Delegates to Vancouver Island Zone Meetings

Senior	Jan Boyes
Intermediate	Melissa Ticknor
Junior	<i>vacant</i>

## WORKSHOP

Shop located at 246 Dahl Rd.  
 For general shop info contact  
**Beba Adams 250-926-0044**  
**The workshop hours are posted on the  
 club website.**  
**www.ripplerockgemandmineralclub.com**

### MEMBERSHIPS

A single membership is \$15.00 and a family is \$25.00. Memberships may be paid at the *General meetings* or by mail to Box 6 Campbell River, BC, V9W 4Z9.

## **Gemboree Jottings**

With registrations of 93 people we are setting a limit of 100 registrants to the 2017 Gemboree to be held at the Cluxewe Resort outside of Port McNeill. Logistics require the setting of this limit as the amount of work to feed the participants a BBQ dinner and a breakfast puts a large strain on our resources. As it is we will be asking participants to bring griddles and even some bar-b-ques to assist in the food preparation. If you can help out, please contact me or Linda Henderson (breakfast) or Kathy Young (BBQ). Since we want to ensure that there is plenty of food we will be issuing tickets for each meal to each participant. These will be included in the registration package.

We will be looking for a third destination to offer rock hounds as well as the Merry Widow mine and the Bonanza Lake sites. More information will be provided but a heads up now about the necessity of 4 wheel drive with high clearance for the Merry Widow mine trip. We want to keep the numbers of vehicles to a minimum so we will be expecting all vehicles to be filled to their capacities with rock hounds. Walky-talkies should be brought along to assist in communications on all trips.

**Gordon Burkholder**

## **Web Coordinator Comments**

I continue to put up information about club happenings and events as well as information on items for sale. We get a lot of requests from 'vendors' offering things for sale so I hope you are checking the website on a regular basis. Put it in your bookmarked bar for easy access.

[www.ripplerockgemandmineralclub.com](http://www.ripplerockgemandmineralclub.com)

**Janet Burkholder**

## **Membership Memos**

We are getting a lot of new memberships as a result of people wanting to attend the Gemboree. As you know membership in 'a' rock club is necessary in order to attend. This has to do with liability insurance issues.

The BCLS, our parent organization has made December 31 the date for renewal of club memberships. I send in the list of paid members at that time and those names are transferred into the roster of BCLS member clubs. Many of you are not currently listed in this handy book as a result of renewing later than the cut-off date. Keep that in mind for next December.

**Dennis Cambrey**

## **Show Stuff**

We are getting close to the show date and things are getting finalized but always we need to have members indicate where they can help. We need everyone there at 3:30 on Friday to help set up the gymnasium and to be there again on Sunday at 4:00 p.m. to help clear up the gym. Dennis always needs help storing and transporting tables at that time. I will be looking for members to sign up before the show in all areas of need.

We will have a different food vendor on each day of the show providing us all with sustenance. The Food Guy will be on Saturday and BaBa Gannouj on Sunday. Yum!

The number of tables available for vendors is quickly running out and anyone not already having a table booked is advised to do so very soon.

**Pat Doyle**

## **Editor's Edicts**

There seems to be even less time to get the 'Bugle' ready now that I am home. One would think that the unseasonable weather would allow me more time for research but that has not been the case this month. I hope you enjoy the members' info that I included this month. I will continue to interview members to find out more about them to pass along to you.

**Gordon Burkholder**

With an eye to our Gemboree in July I thought it might be a good idea to let folks know about the communities that we will be near in case you want to continue your explorations and travels in the region. I'll put one in each of the next 3 "Bugles". All information comes from the [www.northislandcommunities](http://www.northislandcommunities) site.

## **Port Alice – Vancouver Island, BC, Canada**

The Village of Port Alice is a picturesque community built on a mountainside affording excellent views of Neroutsos Inlet from every vantage point. It is accessed via a short, scenic drive on a newly paved section of highway (Hwy 30). The community is a gateway to the Wild West coast where visitors can explore further via logging road or boat to areas like Side Bay, Gooding Cove, Harvey Cove, Brooks Peninsula and Klaskino Inlet.

Area Highlights

Outdoor Playground

Sea walk

Alice Lake Loop Tour

Heritage Center

9-Hole Golf Course

Outdoor Playground

Port Alice boasts a long list of excellent outdoor recreation opportunities in and around the community, including fishing, boating, golfing, hiking, mountain biking and camping. The Neroutsos Inlet, part of Quatsino Sound, offers prime saltwater fishing and presents many sheltered inlets and bays that are perfect for kayaking or diving. A short distance from the village, the Marble River Campsite on Highway 30, Link River and Spruce Bay Campsites on Alice Lake, Victoria Lake and the Port Alice RV Park are among the many possibilities for freshwater fishing, camping, swimming and outdoor recreation. The Marble River Trail, located just off Hwy 30, features a hiking trail to breathtaking Bear Falls.

Mountain bikers and hikers can experience the Rumble Mountain Bike Trail, offering beginner and advanced downhill and cross-country trails just behind the village. Explorers also love the unique land features such as

Devil's Bath, Disappearing River and Eternal Fountain, rare limestone formations that are part of a karst system that honeycombs the region.

### Sea walk

Within the Village, the Sea walk, a wheelchair-accessible pathway, offers visitors a chance to wander along the community coastline, have a picnic or journey to Walk-out Island at low tide. The Sea walk also provides excellent vantage points for wildlife viewing. Many species of birds, migrating salmon, Orca and Grey Whales and Stellar Sea Lions all visit Neroutsos Inlet at different times throughout the year. If you are keen to get onto the water, there are fishing and wildlife viewing charters available.

### Alice Lake Loop Tour

The Alice Lake Loop Tour is a fantastic opportunity to see a series of ancient Quatsino karst and limestone formations. On this tour there is 4 distinct viewing points of the Eternal Fountain, Devil's Bath, the Vanishing River and the Reappearing River. The Eternal Fountain is a naturally occurring swallet, which is when a stream disappears underground. Further on the loop you will come across the Devil's Bath which is the largest cenote in Canada at a size of 359 meters in diameter and 44 meters in depth. Next up is the Vanishing River and the Reappearing River; just as their names suggest this is where part of the Benson River disappears and flows underground for 2 km before resurfacing at the Reappearing River.

In the heart of the Village, the Tourism & Heritage Center offers a place to purchase unique gifts from Port Alice artisans and crafters. Golfers tee off at the Port Alice Golf and Country Club, a challenging nine-hole, par-three course carved out of the mountainside.

Relax in this quiet place and to be surrounded by majestic west coast scenery and lifestyle, or explore as a do it yourself adventurer. Visitors will find beautiful and modern B&B's, vacation rental homes, a motel and a full-service campground. Services include a grocery store, hardware store, full service bank, liquor store and excellent quality restaurants.

## THOSE OTHER STONES

I sometimes get the opportunity to visit an elementary classroom to give a presentation on 'rocks'. We always discuss the 3 types of rock;

sedimentary, igneous, and metamorphic. I then ask the students if they can think of any other kind of rock. With a few hints they come up with the answer, "Rocks from outer space."

I visited the "Mystic Crystal Creations" and fellow club member Brian provided me with some samples of meteorites and even a chunk of Libyan Desert Glass from a comet's tail. The students were delighted to see these samples of the 4<sup>th</sup> class of rocks.

I am just beginning to learn about meteorites and comets as it pertains to rock hounding so I thought it might be worthwhile to provide some of the information I have found. I hope you find it interesting. *G. Burkholder*

## Tektites



Samples of tektite

Tektite is silica formed by the impact of meteorites on the Earth's surface. These are found all over the planet and are commonly regarded as stones of good fortune.

Although tektites are superficially similar to some terrestrial volcanic glasses (obsidians), they have unusual distinctive physical characteristics that distinguish them from such glasses. First, they are completely glassy and lack any microlites or phenocrysts, unlike terrestrial volcanic glasses. Second, although high in silica the bulk chemical and isotopic composition of tektites is closer to those of shales and similar sedimentary rocks and quite different from the bulk chemical and isotopic composition of terrestrial volcanic glasses. Third, tektites contain virtually no water unlike terrestrial volcanic glasses. Fourth, the flow-banding within tektites often contains particles and bands of lechatelierite, which are not found in terrestrial volcanic glasses. Finally, a few tektites contain partly melted inclusions of

shocked and unshocked mineral grains, i.e. quartz, apatite, and zircon, as well as coesite.



On the basis of morphology and physical characteristics, Tektites have traditionally been divided into four groups. The tektites which have been found on land have traditionally been subdivided into three groups: (1) splash-form (normal) tektites, (2) aerodynamically shaped tektites, and (3) Muong Nong type (layered) tektites. Splash-form and aerodynamically shaped tektites are only differentiated on the basis of their appearance and some of their physical characteristics.

Splash-form tektites are centimeter-sized tektites that are shaped like spheres, ellipsoids, teardrops, dumbbells, and other forms characteristic of isolated molten bodies. They are regarded as having formed from the solidification of rotating liquids, and not atmospheric ablation.

Aerodynamically shaped tektites, which are mainly part of the Australasian strewn field, are splash-form tektites (buttons) which display a secondary ring or flange. The secondary ring or flange is argued as having been produced during the high-speed reentry and ablation of a solidified splash-form tektite into the atmosphere.

Muong Nong tektites are typically larger, greater than 10 cm in size and 24 kg in weight, irregular, and layered tektites. They have a chunky, blocky appearance, exhibit a layered structure with abundant vesicles, and contain mineral inclusions, such as zircon, baddeleyite, chromite, rutile, corundum, cristobalite and coesite.

**Moldavite** is an olive-green or dull greenish vitreous substance possibly formed by a meteorite impact. It is one kind of tektite. It was named for the town of Moldauthein in Bohemia Czech Republic, where it occurs. It is sometimes cut and polished as an ornamental stone under the name of

pseudo-chrysolite. Its bottle-green glass color led to its being commonly called Bouteillen-stein, and at one time it was regarded as an artificial product, but this view is opposed to the fact that no remains of glassworks are found in the neighborhood of its occurrence moreover, pieces of the substance are widely distributed in Tertiary and early Pleistocene deposits in Bohemia and Moravia. For a long time, it was generally believed to be a variety of obsidian, but its difficult fusibility and its chemical composition are rather against its volcanic origin.



Moldavite Tektites

Since 1963, it has been known that the majority of known tektites occur only within four geographically extensive strewn fields: the Australasian, Central European, Ivory Coast, and North American strewn fields.



Where in the world are they?

## SPOTLIGHT ON OUR MEMBERS

Kenny Palmblad



Kenny has been picking up rocks since he was a boy (a long time ago!) in this area. He likes to search out and find interesting rocks that he can turn into pieces that are pleasing to the eye. As a lapidarist Kenny has been honing his craft for 10 years as a member of our rock club. He can be found in the shop most Fridays working on some rock creations. Kenny is pictured here with a matching set of soapstone soap dishes. He got the greenish stone on a trip in the Boston Bar area.